



10671417

PTO/SB/19 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket Number	THRS0013-0001
		Filing Date	9/14/2003
		First Named Inventor	JIMIN ZHANG, ET AL.
		Title	INSERTABLE ULTRASOUND PROBES, SYSTEMS, AND METHODS FOR THERMAL THERAPY
APPLICATION ELEMENTS See MPEP chapters 600 & 1600 concerning plant patent application contents		ADDRESS TO: Mail Stop Patent Application ; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450	
1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and duplicate for fee processing)		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Reader Form (CRF)	
3. <input type="checkbox"/> Specification [Total Pages <input type="text"/>] (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure		b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper	
4. Drawing(s) (37 CFR 1.152) [Total Sheets <input type="text"/>]		c. <input type="checkbox"/> Statements verifying identity of above copies	
5. Oath or Declaration [Total Pages <input type="text"/>] a. <input type="checkbox"/> Newly executed (original or copy)		ACCOMPANYING APPLICATION PARTS	
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 16 completed)		9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)		10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		11. <input type="checkbox"/> English Translation Document (if applicable)	
		12. <input checked="" type="checkbox"/> Information Disclosure <input checked="" type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations	
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		16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent	
		17. <input type="checkbox"/> Other: _____	
18. If a CONTINUING APPLICATION , check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76. <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 09/696,076 AND THIS APPLICATION CLAIMS BENEFIT UNDER 35 USC § 119 (E) FROM US APPL. NO. 60/4113,118 Prior application information: Examiner: <u>Shawntina T. Fuqua</u> Art Unit: <u>3742</u>			
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
19. CORRESPONDENCE ADDRESS			
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SHELDON K. LEE		53,197	
Signature		Date	10/10/2003 11/12/03

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SHEET 1 OF 5

**Complete if Known**

Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,206,763	06/10/1980	Penderson	All
		US- 4,237,901	12/09/1980	Taenzer	All
		US- 4,484,569	11/27/1984	Driller, et al.	All
		US- 4,748,985	06/07/1988	Nagasaki	All
		US- 4,273,127	06/16/1981	Auth et al.	All
		US- 4,784,148	11/15/1988	Dow , et al.	All
		US- 4,850,363	07/25/1989	Yanagawa	All
		US- 4,905,672	03/06/1990	Schw arze, et al.	All
		US- 4,913,155	04/03/1998	Dow , et al.	All
		US- 4,929,246	05/29/1990	Sinofsky	All
		US- 4,931,047	06/05/1990	Broadw in, et al.	All
		US- 4,938,217	07/03/1990	Lele	All
		US- 4,957,099	09/18/1990	Hassler	All
		US- 5,026,387	06/25/1991	Thomas	All
		US- 5,036,855	08/06/1991	Fry et al.	All
		US- 5,080,101	01/14/1992	Dory	All
		US- 5,080,102	01/14/1992	Dory	All
		US- 5,178,135	01/12/1993	Uchiyama et al.	All

FOREIGN PATENT DOCUMENTS

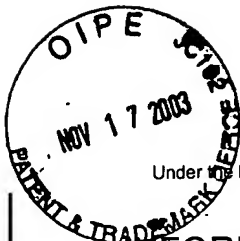
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature	Date Considered
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Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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PTO/SB/08a (05-03)

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT SHEET 2 of 5

Application Number	NOT YET ASSIGNED
Customer Number	36,309
Filing Date	9/14/2003
First Named Inventor	JIMIN ZHANG, ET AL.
Art Unit	NOT YET ASSIGNED
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	THRSP-0013-0001

Sheet 2 of 01/05/1900

NON PATENT LITERATURE DOCUMENTS

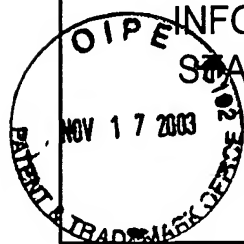
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
		SHARAM VASEY, ET AL., "Hemostasis of Punctured Blood Vessels Using High Intensity Focused Ultrasound," Ultrasound in Med. & Biol., Vol. 24, No.6, pp. 903-910, 1998, USA	
		ROY W. MARTIN, ET AL., "Hemostasis of Punctured Vessels Using Doppler-Guided High Intensity Ultrasound," Ultrasound in Med. & Biol., Vol. 25, pp. 985-990, 1999, USA.	
		JOSEPH L. ROSE, "Source Influence" Ultrasonic Waves in Solid Media, pp. 200-227, Cambridge University Press, 1999, USA.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SHEET 3 OF 5

Complete if Known

Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

	US- 5,233,994	08/10/1993	Shmulew iz	All
	US- 5,263,957	11/23/1993	Davison	All
	US- 5,243,988	09/14/1993	Sieben et al.	All
	US- 5,290,278	03/01/1994	Anderson	All
	US- 5,364,389	11/15/1994	Anderson	All
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	US- 5,492,126	02/20/1996	Hennige et al.	All
	US- 5,507,744	04/16/1996	Tay et al.	All
	US- 5,630,837	05/20/1997	Crow ley	All
	US- 5,643,179	06/01/1997	Fujimoto	All
	US- 5,666,954	09/16/1997	Chapelon et al.	All
	US- 5,695,493	12/09/1997	Nakajima et al.	All
	US- 5,697,897	12/16/1997	Buchholtz et al.	All
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	US- 5,738,635	04/14/1998	Chapelon et al.	All
	US- 5,762,066	06/09/1998	Law et al.	All
	US- 5,769,790	06/23/1998	Watkins et al.	All

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

SHEET 4 OF 5

Complete if Known

Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

	US- 5,788,636	07/04/1998	Curley	All
	US- 5,810,810	09/22/1998	Tay et al.	All
	US- 5,824,015	10/20/1998	Sawyer	All
	US- 5,827,268	10/27/1998	Laufer	All
	US- 5,873,828	02/28/1999	Fujio et al.	All
	US- 5,882,302	03/16/1999	Driscoll Jr. et al.	All
	US- 5,904,659	05/18/1999	Duarte et al,	All
	US- 5,957,849	09/28/1999	Munro	All
	US- 5,964,782	10/12/1999	Lafontaine et al.	All
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	US- 6,083,159	07/04/2000	Driscoll Jr. et al.	All
	US-6,007,499	12/28/1999	Martin et al.	All
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	US- 6,254,601	07/03/2001	Burbank et al.	All
	US- 6,315,441	11/13/2001	King	All
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	US- 6,432,067	08/13/2002	Martin et al.	All
	US- 6,500,133	12/31/2002	Martin et al.	All

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SHEET 5 OF 5

Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

[illegible]

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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